

AMENDMENTS TO THE SPECIFICATION

1. In the paragraph beginning Page 6, line 11, please insert the sequence identifier for Figure 3B and delete the reference to :


C1
" Figure 3A: Physical map of the CSNB1 minimal region indicating the location of overlapping BACs and PACs (short lines) and the chromosomal position of several genes in this region, including NYX. The lower horizontal line demonstrates the genomic organization of NYX, showing that it is comprised of three exons, with a translation start site in the second exon, a stop codon in the third exon and a polyadenylation sequence in the 3' untranslated region. Figure 3B: The amino acid sequence (SEQ ID NO.: 2) of nyctalopin shows homology with members of the SLRP family of proteins. The protein has 11 leucine-rich repeat motifs with a 24 amino acid consensus for small leucine-rich proteoglycans with cysteine clusters flanking the repeat core of the protein. The conserved amino acids are shown in bold. Figure 3C: Dendogram showing the predicted relationship among members of SLRP. Chondroadherin (CHAD) and nyctalopin appear to represent a fourth class (IV) within SLRP. ~~Figure 3D: Homology comparison of NYX and CHAD using LALIGN™ found these genes to be 30.8% identical and 57.5% similar.~~

2. Page 17, line 9, sentence should read as follows:

C2
"The identification of these sites was accomplished at the Expasy™ website www.expasy.ch/tools, and is well known to those skilled in the art."

3. The paragraph beginning Page 27, line 25, should read as follows:

C3
"BAC clone 378P5 (Fig. 3A) yielded a sequence that had partial complete homology with a 526-bp expressed sequence tag Q14392 (Accession No. AI861796). Sequence of the BAC clone 378P5 in the region of homology to ESTQ14392 overlaps with the partial DNA sequence from BAC clone 16915 (Fig. 3A). GenScan and GenFinder analysis of a 20 kb

 portion of the genomic sequence from clone 16915 (Sanger Center, ~~www.sanger.ac.uk~~) that encompasses EST Q14392 predicted a novel open reading frame which we have designated *NYX* and is shown in Figure 3A.

4. In the Figures, please delete Figure 3D.

Attached are clean replacement paragraphs for each of the above amendments.